Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/16/2021 09:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125981	0	3.16	126082	3.12
Blue	F	SSC	125000	124795	-1	4.17	125662	4.16
Blue	E	FITC	14203	13877	-3	3.30	302	14.83
Blue	D	PE	25703	25465	-1	3.12	551	10.72
Blue	B	PerCP-Cy5-5	42104	41525	-2	3.64	931	14.43
Blue	A	PE-Cy7	34646	34379	-1	4.83	504	28.48
Red	C	APC	49824	49113	-2	2.93	1495	11.20
Red	A	APC-Cy7	39773	38962	-3	3.03	753	11.46
Violet	B	V450	7447	7133	-5	4.11	411	11.94
Violet	A	V500	31193	30236	-4	3.87	690	10.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21799	3.24	548	-8	N/A	N/A	Pass
Blue	F	SSC	55375	3.74	512	0	N/A	N/A	Pass
Blue	E	FITC	56	50.63	483	-3	0.0434	60	Pass
Blue	D	PE	109	37.07	484	-1	0.3644	228	Pass
Blue	B	PerCP-Cy5-5	181	34.82	575	-2	0.0200	51	Pass
Blue	A	PE-Cy7	118	60.34	618	-2	0.0226	0	Pass
Red	C	APC	351	23.56	567	0	0.0295	121	Pass
Red	A	APC-Cy7	209	23.06	543	-1	0.0062	207	Pass
Violet	B	V450	91	38.94	456	7	0.0553	1712	Pass
Violet	A	V500	121	28.08	474	7	0.0254	533	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-32.94	-32.82	0.92
Blue	20.36	16.27 - 24.41	1.29	0.99 - 1.49	0.00	0.00	1.37
Red	23.08	15.99 - 23.99	N/A	N/A	31.20	31.45	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9550

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments